

functionally graded material including a first friction surface constructed for such engagement and a second non-engaging surface, said varying concentration of said heat conducting elements decreasing in concentration from said first friction surface to said second non-engaging surface, said heat conducting elements transferring heat away from the first friction surface of said functionally graded material to the second non-engaging surface.

[ Please rewrite claim 2 as set forth below in clean form. ]

2. **(Amended)** A clutch facing material as set forth in claim 1, wherein said plurality of heat conducting elements comprise members selected from the group consisting of filaments, threads, wires, powders, and particulate, said heat conducting elements being disposed in said functionally graded material in a predetermined arrangement.

[ Please rewrite claim 3 as set forth below in clean form. ]

3. **(Twice Amended)** A clutch facing material as set forth in claim 1, wherein said plurality of heat conducting elements are positioned substantially normal to said first friction surface of said functionally graded material.

[ Please rewrite claim 4 as set forth below in clean form. ]

4. **(Amended)** A clutch facing material as set forth in claim 1, wherein said heat and wear resistant fibers comprise aramid fibers.

[ Please rewrite claim 5 as set forth below in clean form. ]

5. **(Amended)** A clutch facing material as set forth in claim 4, wherein said aramid fibers comprise Kevlar fibers.

Please rewrite claim 6 as set forth below in clean form.

6. **(Amended)** A clutch facing material as set forth in claim 2, wherein said plurality of heat conducting elements comprise members selected from the group consisting of metal, metal alloy, copper, copper alloy, and graphite compositions.

Please rewrite claim 7 as set forth below in clean form.

7. **(Amended)** A clutch facing material as set forth in claim 1, wherein said fibers comprise members selected from the group consisting of minerals, glass, asbestos, cotton, polyester, graphite, carbon, pyrolytic carbon, aramid, synthetic, and polymer fibers.

Please rewrite claim 8 as set forth below in clean form.

8. **(Twice Amended)** A clutch facing material as set forth in claim 1, wherein said heat conducting elements comprise a greater density on said first friction surface than said second non-engaging surface.

Please rewrite claim 11 as set forth below in clean form.

11. **(Four Times Amended)** In a composite clutch facing material having opposed surfaces with one surface engaging a movable, engageable part, the improvement comprising heat conducting elements disposed in said composite clutch facing material in a selected arrangement and a varying concentration for transferring heat away from said engaging surface to a non-engaging surface, said varying concentration of said heat conducting elements decreasing in concentration from said first surface to said second non-engaging surface.

Please rewrite claim 12 as set forth below in clean form. ]

12. **(Amended)** The clutch facing material according to claim 11, wherein said heat conducting elements comprise a plurality of metal components disposed within said friction material.

Please rewrite claim 13 as set forth below in clean form. ]

13. **(Twice Amended)** The clutch facing material according to claim 12, wherein said plurality of metal components comprise members selected from the group consisting of filaments, threads, and wires.

Please rewrite claim 14 as set forth below in clean form. ]

14. **(Amended)** The clutch facing material according to claim 13, wherein said plurality of metal components comprise members selected from the group consisting of copper components and copper alloy components.

Please rewrite claim 15 as set forth below in clean form. ]

15. **(Amended)** The clutch facing material according to claim 12, wherein said metal components are oriented substantially perpendicular to said engaging surface.

Please rewrite claim 20 as set forth below in clean form.

20. **(Amended)** The clutch facing material according to claim 11, wherein said heat conducting elements comprise a greater density on said engaging surface than on said non-engaging surface.

Please rewrite claim 21 as set forth below in clean form. ]

21. **(Amended)** A clutch facing material as set forth in claim 8, wherein the density of said heat conducting elements on said first friction surface ranges between about 22.5% to about 42.5% on a weight percent basis.